

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

HAER  
COLO  
30-GOLD.V  
1L-

ROCKY FLATS PLANT, NON-NUCLEAR  
PRODUCTION FACILITY

HAER No. CO-83-L

(Rocky Flats Plant, Building 444)

(Rocky Flats Plant, Plant A)

(Rocky Flats Plant, Building 44)

Located south of Cottonwood Avenue, west of Seventh Avenue, and east of B460.

Golden Vicinity

Jefferson County

Colorado

Photographs CO-83-L-1 through CO-83-L-20 were taken by various site photography contractors, dates are indicated in parentheses.

- CO-83-L-1 VIEW LOOKING NORTHWEST AT BUILDING 444 UNDER CONSTRUCTION. ORIGINALLY CALLED PLANT A, BUILDING 444 WAS ONE OF THE FIRST BUILDINGS CONSTRUCTED AT THE ROCKY FLATS PLANT. (4/15/52)
- CO-83-L-2 VIEW LOOKING NORTHEAST AT BUILDING 444 UNDER CONSTRUCTION. BUILDING 444 WAS THE PRIMARY NON-PLUTONIUM MANUFACTURING FACILITY AT THE ROCKY FLATS PLANT. MANUFACTURING PROCESSES COMPLETED IN THIS BUILDING WERE USED TO FABRICATE WEAPONS COMPONENTS AND ASSEMBLIES FOR A VARIETY OF MATERIALS, INCLUDING DEPLETED URANIUM, BERYLLIUM, STAINLESS STEEL, ALUMINUM, AND VANADIUM. (4/25/52)
- CO-83-L-3 VIEW OF ADDITION TO BUILDING 444. IN THE MID 1950s, RADIOGRAPHY VAULTS, A GRAPHITE STORAGE AND CUTTING AREA, AND A GRAPHITE PRODUCTION PROCESSING AREA WERE ADDED TO BUILDING 444. (1956)
- CO-83-L-4 VIEW LOOKING SOUTHEAST AT BUILDING 444. (1/1/98)
- CO-83-L-5 VIEW LOOKING NORTHWEST OF BUILDING 444. (1/1/98)
- CO-83-L-6 VIEW OF INSIDE OF RAIL CAR CONTAINING GRAPHITE DELIVERED TO BUILDING 444. THE GRAPHITE WAS FORMED INTO MOLDS AND CRUCIBLE FOR USE IN THE FOUNDRY. (1/12/54)

ROCKY FLATS PLANT, NON-NUCLEAR PRODUCTION FACILITY  
HAER No. CO-83-L  
(Page 2)

- CO-83-L-7 VIEW OF THE CHIP ROASTER LOCATED IN BUILDING 447. THE CHIP ROASTER BURNED URANIUM CHIPS FROM MACHINING AREAS TO AN OXIDE, A MORE STABLE FORM FOR DISPOSAL. (4/27/55)
- CO-83-L-8 VIEW OF RADIOGRAPHY EQUIPMENT. TEST METHODS INCLUDED RADIOGRAPHY AND BETA BACKSCATTERING. (7/13/56)
- CO-83-L-9 VIEW OF FOUNDRY FURNACE. DEPLETED URANIUM INGOTS, BERYLLIUM INGOTS, AND ALUMINUM SHAPES WERE PRODUCED IN THE FOUNDRY. (10/30/56)
- CO-83-L-10 VIEW OF DEPLETED URANIUM INGOT AND MOLD IN FOUNDRY. (11/11/56)
- CO-83-L-11 VIEW OF DEPLETED URANIUM INGOT. THE METALS WERE PLACED IN CRUCIBLES, LOADED INTO ONE OF EIGHT INDUCTION FURNACES AND MELTED IN A VACUUM ATMOSPHERE. (11/11/57)
- CO-83-L-12 VIEW OF DEPLETED URANIUM INGOT AND MOLDS. DEPLETED URANIUM CASTING OPERATIONS CEASED IN 1988. (11/14/57)
- CO-83-L-13 VIEW OF SHEFFIELD GAGE, USED TO MEASURE ROUNDNESS OF WEAPON PARTS, AS PART OF THE FINAL PARTS INSPECTION PROCESS. (6/2/67)
- CO-83-L-14 VIEW OF VACUUM COATING CHAMBER. THE SYSTEM USED TITANIUM VAPORS TO DEPOSIT TITANIUM COATING ONTO URANIUM PARTS UNDER A VACUUM. (1/11/83)
- CO-83-L-15 VIEW OF THE SPECIAL SHROUDING AND AIR HANDLING SYSTEM USED IN BERYLLIUM PRODUCTION. (3/30/89)
- CO-83-L-16 VIEW OF PLANT FABRICATED EQUIPMENT IN THE COATINGS LABORATORY. A MASS SPECTROMETER IS TO THE LEFT OF THE PHOTO. (6/23/89)
- CO-83-L-17 VIEW OF EQUIPMENT BURNED IN A TITANIUM FIRE. (11/13/89)
- CO-83-L-18 VIEW OF ENGINEERING CONTROLS USED IN THE BERYLLIUM SHOP TO REDUCE EMPLOYEE EXPOSURE. THE LATHE IS

ROCKY FLATS PLANT, NON-NUCLEAR PRODUCTION FACILITY  
HAER No. CO-83-L  
(Page 3)

COVERED BY A HOOD WITH A SEPARATE AIR-HANDLING SYSTEM. PRECISION EQUIPMENT IS CONTROLLED DIGITALLY. (11/113/89)

- CO-83-L-19 VIEW OF THE PLATING BATHS AND CONTROL PANELS. GOLD AND SILVER WERE AMONG THE MATERIALS PLATED ONTO PARTS MADE OF COPPER, STAINLESS STEEL AND STEEL. (11/15/89)
- CO-83-L-20 VIEW OF THE WASTE STORAGE TANKS ASSOCIATED WITH THE PLATING LABORATORY. (11/15/89)
- CO-83-L-21 VIEW OF THE FIRST FLOOR PLAN. THE ORIGINAL DRAWING HAS BEEN ARCHIVED ON MICROFILM. THE DRAWING WAS REPRODUCED AT THE BEST QUALITY POSSIBLE. LETTERS AND NUMBERS IN THE CIRCLES INDICATE FOOTER AND/OR COLUMN LOCATIONS.
- CO-83-L-22 VIEW OF THE BASEMENT AND MEZZANINE FLOOR PLANS. ALL MECHANICAL AND ELECTRICAL UTILITY EQUIPMENT IS CONTAINED IN THE BASEMENT. THE MEZZANINE CONTAINS OFFICES. THE DRAWING WAS REPRODUCED AT THE BEST QUALITY POSSIBLE. LETTERS AND NUMBERS IN THE CIRCLES INDICATE FOOTER AND/OR COLUMN LOCATIONS.
- CO-83-L-23 VIEW OF SECTION DRAWINGS. THE SECTION LINES FOR A-A AND C-C CUT THE BUILDING EAST-WEST; SECTION LINE B-B CUTS THE BUILDING NORTH-SOUTH. THE ORIGINAL DRAWING HAS BEEN ARCHIVED ON MICROFILM. THE DRAWING WAS REPRODUCED AT THE BEST QUALITY POSSIBLE. LETTERS AND NUMBERS IN THE CIRCLES INDICATE FOOTER AND/OR COLUMN LOCATIONS.
- CO-83-L-24 VIEW OF THE BUILDING 447 AND 448 ADDITIONS. THE DRAWING WAS REPRODUCED AT THE BEST QUALITY POSSIBLE. LETTERS AND NUMBERS IN THE CIRCLES INDICATE FOOTER AND/OR COLUMN LOCATIONS.